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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/731,521	12/09/2003	Sudhir V. Shah	2629.1003-010	3717
21005	7590 06/03/2004		EXAMINER	
HAMILTON, BROOK, SMITH & REYNOLDS, P.C.			WINSTON, RANDALL O	
530 VIRGINIA ROAD P.O. BOX 9133		ART UNIT	PAPER NUMBER	
CONCORD,	MA 01742-9133	1654		
			DATE MAILED: 06/03/200-	4

Please find below and/or attached an Office communication concerning this application or proceeding.

At a series of the series of t	Application No.	Applicant(s)			
	10/731,521	SHAH, SUDHIR V.			
Office Action Summary	Examiner	Art Unit			
	Randall Winston	1654			
The MAILING DATE of this communication a Period for Reply	appears on the cover sheet with the	correspondence address			
A SHORTENED STATUTORY PERIOD FOR REF THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a - If NO period for reply is specified above, the maximum statutory peri - Failure to reply within the set or extended period for reply will, by sta Any reply received by the Office later than three months after the ma earned patent term adjustment. See 37 CFR 1.704(b).	N. 1.136(a). In no event, however, may a reply be to reply within the statutory minimum of thirty (30) do do will apply and will expire SIX (6) MONTHS from tute, cause the application to become ABANDON	mely filed ys will be considered timely. n the mailing date of this communication. ED (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 09	December 2003.				
==·/	This action is FINAL . 2b)⊠ This action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4) Claim(s) 1-14 is/are pending in the applicating 4a) Of the above claim(s) is/are with the solution of the above claim(s) is/are with the solution of the above claim(s) is/are allowed. 6) Claim(s) 1-14 is/are rejected. 7) Claim(s) is/are objected to solution and solution are subject to restriction and solution of the above claim(s) are subject to restriction are subject to restriction are subject to restriction and solution of the above claim(s) are subject to restriction are subjec	Irawn from consideration.				
Application Papers					
9) The specification is objected to by the Exam 10) The drawing(s) filed on is/are: a) a Applicant may not request that any objection to to Replacement drawing sheet(s) including the cord 11) The oath or declaration is objected to by the	accepted or b) objected to by the the drawing(s) be held in abeyance. S rection is required if the drawing(s) is o	ee 37 CFR 1.85(a). bjected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for fore a) All b) Some * c) None of: 1. Certified copies of the priority documents. 2. Certified copies of the priority documents. 3. Copies of the certified copies of the papplication from the International Bure. * See the attached detailed Office action for a	ents have been received. ents have been received in Applica priority documents have been recei reau (PCT Rule 17.2(a)).	ition No ved in this National Stage			
Attachment(s) 1) ☑ Notice of References Cited (PTO-892) 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) ☑ Information Disclosure Statement(s) (PTO-1449 or PTO/SB Paper No(s)/Mail Date 1203.					

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DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 3 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 3 recites the term "essentially constant." No objective criterion is provided in the specification or claim to apprise one of skill in the art of the meaning of "essentially constant." Accordingly the metes and bounds of this term is not clearly delineated. (What does essentially mean?)

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3, 6-7 and 9-14 are rejected under 35 U.S.C. 102(b) as being anticipated by Green (US 4,684,482) as is evidenced by Martin et al. (US 6206849), Schwart (US 6383817), Ranganathan et. al (US 6706287), and Akbarov et al. (Derwent-Acc-No-2000-594407).

Applicant claims a method for administering orally an iron chelator to a human selected from the group consisting of deferiporone, deferoxamine, polyanionic amines

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and substituted polyaza compounds, whereas the iron chelator treats progressive kidney disease.

Green anticipates the claimed invention (see, e.g. column 3 lines 34-47, column 2 lines 3-5) because Green teaches a method of administering orally an iron chelator, such as deferoxamine, to the patient to treat kidney-damaged patients undergoing renal dialysis.

Martin et al. (US 6206849,see e.g., column 2 lines 24-29) teach that patients undergoing renal dialysis have kidney damage associated with end-stage progressive kidney disease. Therefore, deferoxamine would inherently halt the progression of the kidney disease and/or reduce the severity of the progressive kidney disease and/or reduce the rate of loss of renal function when administered to patients undergoing renal dialysis due to kidney damage associated with end stage kidney.

Regarding claim 11, Schwartz (see, e.g. column 10 lines 1-3) teaches that proteinurea is indicative of kidney damage and/or failure. Ranganathan et al. (see, e.g., column 7 lines 29-34) teach that an increase in serum creatinine is indicative of kidney failure and/or kidney damage (claims 12 and 14). In regard to claim 13, Akbarov et al. (see, e.g., abstract) teach that treating progressive kidney damage increases the glomerular filtration rate. Therefore, administration of deferoxamine to treat patients undergoing renal dialysis, as taught by Green, would inherently reduce the rate of progression of proteinurea, the rate of increase of serum creatinine and the rate of deterioration of glomerular filtration rate in these patients.

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Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 4, 5, and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Green in further view of Mita et al. (JP 405000949, see abstract)

Applicant claims a method for administering an iron chelator to a human in various amounts selected from the group consisting of deferiprone, deferoxamine, polyanionic amines and substituted polyaza compounds, whereas the iron chelator treats a progressive kidney disease selected from the group consisting of diabetic nephropathy, primary glomerulonephritis and secondary glomerulonephritis.

As outline supra, Green teaches administering orally an iron chelator, such as deferoxamine (see, e.g. title, column 2 lines 3-5), to kidney-damaged patients undergoing renal dialysis.

Green does not teach the administration of an iron chelator to a patient suffering from diabetic nephropathy, how the iron chelators are to administered, in what amounts they are to be administered or iron chelators other than deferoxamine.

Mita et al. teach (see, abstract) that diabetic nephropathy causes kidney failure and/or damage.

It would have been prima facie obvious to one of ordinary skill in the art at the time the invention was made to have administered an iron chelator to a patient suffering

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from diabetic nephropathy because Green's teaches administering an iron chelator to a patient with kidney damage and Mita et al. teach that diabetic nephropathy causes kidney failure and/or damage. Regarding specifically claimed routes of administration and dosages, the adjustment of conventional working conditions therein (e.g. how the iron chelator is administered and in what amounts), is deemed merely a matter of judicious selection and routine optimization which is well within the purview of the skilled artisan.

Priort Art

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: Torti (US 6589966, see, e.g, column 2 lines 32-42) teaches that deferiprone is an iron chelator used for *in vivo* treatment.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Randall Winston whose telephone number is 571-272-0972. The examiner can normally be reached on 8AM-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brenda Brumback can be reached on 571-272-0961. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

BRENDA BRUMBACK
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 1600